

**AMENDMENTS TO THE CLAIMS:**

The following claim listing replaces all previous versions of the claims.

**LISTING OF THE CLAIMS:**

Claim 1 (Previously Presented): A method of managing borehole information, the method comprising:

collecting and storing information on at least one borehole,  
arranging at least one identifier, which includes machine-readable information, in connection with a borehole under examination,  
and linking the stored information and the borehole under examination together by means of information read from the identifier.

Claim 2 (Previously Presented): A method as claimed in claim 1, comprising  
identifying the borehole under examination by reading an identification code included in the identifier,  
and linking the information relating to the borehole by using the identification code.

Claim 3 (Previously Presented): A method as claimed in claim 1, comprising  
identifying the borehole under examination by reading an identification code included in the identifier,  
linking the information relating to the borehole by using the identification code,

storing information relating to the borehole in at least one control unit outside the identifier,

and linking the information included in the control unit on the identifier together on the basis of the identification code.

Claim 4 (Previously Presented): A method as claimed in claim 1, comprising using an identifier comprising at least one memory element for storing information, and storing information relating to the borehole under examination in the identifier.

Claim 5 (Previously Presented): A method as claimed in claim 1, comprising using an identifier comprising at least one memory element for storing information, storing information relating to the borehole under examination in the identifier, measuring the borehole under examination by means of at least one measuring device which includes at least one sensor, and storing measurement information in the identifier.

Claim 6 (Previously Presented): A method as claimed in claim 1, comprising equipping a mine vehicle with a reader, identifying the borehole under examination by reading information included in the identifier by means of the reader, transmitting borehole information from a control unit in a system to a control device of the mine vehicle,

and using the borehole information for controlling at least one drilling unit or charging unit of the mine vehicle.

Claim 7 (Previously Presented): A system for managing borehole information, the system comprising: at least one control unit wherein borehole information is stored, at least one identifier to be arranged in connection with a borehole under examination, and wherein the identifier includes machine-readable information, and wherein the system is arranged to link the stored information and the borehole under examination together by means of information read from the identifier.

Claim 8 (Previously Presented): An identifier for marking a borehole, the identifier comprising:  
a frame,  
means for fastening the identifier in connection with the borehole,  
an elongated frame which is at least partially insertable in the borehole, and at least one machine-readable identification code.

Claim 9 (Previously Presented): An identifier as claimed in claim 8, wherein the identifier comprises an elongated tubular frame.

Claim 10 (Previously Presented): An identifier as claimed in claim 8, the identifier comprises at least one memory element for storing information.

Claim 11 (Previously Presented): An identifier as claimed in claim 8 wherein the identifier comprises a transceiver for establishing a data transmission connection between the identifier and at least one external control unit.

Claim 12 (Previously Presented): An identifier as claimed in claim 8 wherein the identification code is a visually readable character.

Claim 13 (New): A system as claimed in claim 7, wherein the identifier comprises an elongated tubular frame.

Claim 14 (New): An identifier as claimed in claim 7, the identifier comprises at least one memory element for storing information.

Claim 15 (New): An identifier as claimed in claim 7 wherein the identifier comprises a transceiver for establishing a data transmission connection between the identifier and at least one external control unit.

Claim 16 (New): An identifier as claimed in claim 7 wherein the identification code is a visually readable character.